

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) An epicycloidal motor comprising a stator core formed by a combination of multiple split core pieces, each split [[care]] core piece having a slot; and a stator winding conductor wound in said slot; wherein:

said split core pieces are provided in the form of tees;

a ratio of an overall effective area of said conductor to an effective sectional area of said slot is 0.5 to 0.8;

each of said tees comprises a tee base connected with a cylindrical housing which is made of a nonmagnetic material, a tee column extending along a periphery from said tee base, and a tee flange extending in the circumferential direction on both sides of a tip of said tee column;

said slots are formed on an inner periphery of the tee flange and on both sides of the tee column;

an outer periphery of said tee flange is formed in a circular arc; and

Serial No. 10/620,760
Amendment Dated: December 5, 2006
Reply to Office Action Mailed: August 16, 2006
Attorney Docket No. 056207.52601US

flat inclinations are arranged on both ends of the outer periphery.

Claim 2. (Cancelled)

Claim 3. (Previously Presented) The epicycloidal motor according to Claim 1, wherein the ratio of a range angle of said flat inclination as viewed from a center of said stator core relative to a range angle of said circular arc as viewed from the center of said stator core is 0.2 through 0.75.

Claims 4.-9. (Cancelled)

Claim 10. (Previously Presented) The epicycloidal motor according to Claim 1, wherein said conductor has a circular cross section, and is wound on the slot in a regular winding method.

Claim 11. (Previously Presented) The epicycloidal motor according to Claim 3, said conductor has a circular cross section, and is wound on the slot in a regular winding method.

Claims 12.-16. (Cancelled)